#### In the Claims:

Please cancel claims 101 and 139 without prejudice or disclaimer of the subject matter thereof and amend the claims as follows.

-1-79 (Canceled).

1 80 (Currently amended). A network training system to enhance a physical skill of a 2 subject with respect to operation of a firearm comprising:

an activity processing system <u>at a first remote location</u> to facilitate and measure performance of physical operation of a firearm by said subject, said activity processing system including:

an activity measuring device to measure performance of said physical firearm operation by said subject by identifying coordinates of impact locations on a target of a laser beam emitted from said firearm in response to said firearm operation;

a processor to evaluate said measured performance based on predetermined criteria and produce information associated with performance results and a level of said physical skill of said subject with respect to said firearm operation; and

an information device to provide said information to said subject relating to said performance of said firearm operation; and

an information system, at a second different remote location, in communication via a network with said activity processing system to provide said information to and accessible by an instructor of said firearm operation, wherein said information device provides feedback information to said subject based on said performance results, and wherein said feedback information is including potential causes of shooting errors and information associated with modifying subject performance

of said firearm operation to enhance performance results and said subject physical skill level with said subject at a location remote from said instructor.

81 (Canceled).

82 (Previously presented). The network training system of claim 80, wherein said activity measuring device includes a laser-detecting target to detect impact locations thereon of a laser beam emitted from a laser-transmitting firearm actuated by said subject.

83 (Currently amended). The A network training system of claim 82, to enhance a physical skill of a subject with respect to performance of a firearm activity comprising:

an activity processing system to facilitate and measure performance of said firearm activity
by said subject, said activity processing system including:

subject, wherein said activity measuring device includes a laser-detecting target to detect impact locations thereon of a laser beam emitted from a laser-transmitting firearm actuated by said subject, and wherein said target includes a detector to measure a distance between said firearm and said target to verify proper conditions for performance of said firearm operation activity;

a processor to evaluate said measured performance based on predetermined criteria and produce information associated with performance results and a level of said physical skill of said subject with respect to said firearm activity; and

an information device to provide said information to said subject relating to said

## performance of said firearm activity; and

system to provide said information to an instructor, wherein said information device provides feedback information to said subject based on said performance results, and wherein said feedback information is associated with modifying subject performance of said firearm activity to enhance performance results and said subject physical skill level.

84 (Previously presented). The network training system of claim 80, wherein said firearm operation includes application of cognitive knowledge of said subject and said feedback information is further associated with increasing said subject cognitive knowledge to enhance said performance results and said subject physical skill level.

#### 85 (Canceled).

86 (Previously presented). The network training system of claim 80, wherein said information device is at least one of a display and a printing device.

87 (Previously presented). The network training system of claim 80 further including a plurality of said activity processing systems each associated with a corresponding subject, wherein said activity processing systems are in communication with each other and said information system via said network to facilitate joint training of plural subjects.

- 1 88 (Previously presented). The network training system of claim 80, wherein said 2 processor includes a storage module to store said produced information for retrieval and analysis.
- 1 89 (Previously presented). The network training system of claim 80, further including a 2 plurality of information systems each located at a corresponding site and in communication with said 3 activity processing system via said network to provide said information to at least one interested 4 party at said corresponding site.
  - 90 (Previously presented). The network training system of claim 80, wherein said processor includes a subject module to store for a subject said information related to each performance of said firearm operation by that subject in order to maintain performance history information for that subject.

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- 91 (Previously presented). The network training system of claim 80, wherein said processor includes an identification module to identify a subject and monitor subject utilization of said system.
- 92 (Previously presented). The network training system of claim 80, wherein said information associated with performance results indicates a degree of compliance with said predetermined criteria.
- 93 (Previously presented). The network training system of claim 80, wherein said predetermined criteria include at least one standard level of performance associated with said

3 firearm operation.

1	94 (Currently amended). A training system to enhance a physical skill of a subject with
2	respect to operation of a firearm comprising:
3	a plurality of an activity processing systems each at a different remote location and in
4	communication to transfer information with each other via a network to facilitate joint training of
5	<u>plural subjects</u> and measure performance of physical operation of a firearm by said a corresponding
6	subject, said each activity processing system including:
7	an activity measuring device to measure performance of said physical firearm
8	operation by said corresponding subject by identifying coordinates of impact locations on a target
9	associated with said corresponding subject of a laser beam emitted from a corresponding firearm in
10	response to said firearm operation;
11	a processor to evaluate said measured performance based on predetermined criteria
12	and to produce information associated with performance results and a level of said physical skill of
13	said corresponding subject with respect to said firearm operation and feedback information
14	associated with modifying subject performance of said firearm operation to enhance performance
15	results and said subject physical skill level; and
16	an information device to provide said information of each subject and said feedback
17	information to said corresponding subject.

95 (Canceled).

96 (Currently amended).	The train	ning s	ystem	of	claim	94,	wherein	said	activity
measuring device includes a laser-de-	tecting targ	get to d	letect in	npa	ct locat	tions	thereon o	f a las	ser beam
emitted from a laser-transmitting fire	earm actua	ted by	said co	orre	spondi	ng sı	ıbject.		

97 (Currently amended). The A training system of claim 96, to enhance a physical skill of a subject with respect to performance of a firearm activity comprising:

an activity processing system to facilitate and measure performance of said firearm activity by said subject, said activity processing system including:

an activity measuring device to measure performance of said firearm activity by said subject, wherein said activity measuring device includes a laser detecting target to detect impact locations thereon of a laser beam emitted from a laser-transmitting firearm actuated by said subject, and wherein said target includes a detector to measure a distance between said firearm and said target to verify proper conditions for performance of said firearm operation activity;

a processor to evaluate said measured performance based on predetermined criteria and to produce information associated with performance results and a level of said physical skill of said subject with respect to said firearm activity and feedback information associated with modifying subject performance of said firearm activity to enhance performance results and said subject physical skill level; and

an information device to provide said information and said feedback information to said subject.

98 (Previously presented). The training system of claim 94, wherein performance of said

- 2 firearm operation includes application of cognitive knowledge of said subject and said feedback
- 3 information increases said subject cognitive knowledge to enhance said performance results and said
- 4 subject physical skill level.
- 1 99 (Canceled).
- 1 100 (Previously presented). The training system of claim 94, wherein said information
- 2 device is at least one of a display and a printing device.
- 1 101 (Canceled).
- 1 102 (Previously presented). The training system of claim 94, wherein said processor
- 2 includes a storage module to store said produced information for retrieval and analysis.
- 1 103 (Currently amended). The training system of claim 94, further including at least one
- 2 information system each located at a corresponding site and in communication with said activity
- 3 processing systems via a network to provide said information to at least one interested party at said
- 4 corresponding site.
- 1 104 (Currently amended). The training system of claim 94, wherein said processor
- 2 includes a subject module to store for a corresponding subject said information related to each
- 3 performance of said firearm operation by that subject in order to maintain performance history

- 4 information for that subject.
- 1 105 (Previously presented). The training system of claim 94, wherein said processor
- 2 includes an identification module to identify a subject and monitor subject utilization of said training
- 3 system.
- 1 106 (Previously presented). The training system of claim 94, wherein said information
- 2 associated with performance results indicates a degree of compliance with said predetermined
- 3 criteria.
- 1 107 (Previously presented). The training system of claim 94, wherein said predetermined
- 2 criteria include at least one standard level of performance associated with said firearm operation.
- 1 108 (Currently amended). A network system for facilitating a competition between
- 2 remote participants each physically operating a firearm comprising:
- a plurality of activity processing systems each at a different remote location and in
- 4 communication with each other via a network, wherein each activity processing system facilitates
- 5 and measures performance of physical operation of a firearm by a corresponding participant and
- 6 includes:
- an activity measuring device to measure performance of said physical firearm
- 8 operation by said corresponding participant by identifying coordinates of impact locations on a
- 9 target associated with that participant of a laser beam emitted from a corresponding firearm in

### response to said firearm operation;

a processor to evaluate said measured performance and produce information associated with performance results and a skill level of said corresponding participant with respect to said firearm operation; and

an information device to provide said information of each participant to said corresponding participant during performance of said firearm operation, wherein said activity processing systems <u>each</u> communicate said information associated with a corresponding participant to each other via said network.

109 (Previously presented). The system of claim 108, further comprising:

a control system in communication with said plurality of activity processing systems via said network to control transfer of said corresponding participant information between said activity processing systems.

# 110 (Canceled).

111 (Previously presented). The system of claim 108, wherein said measuring device of each activity processing system includes a laser-detecting target to detect impact locations thereon of a laser beam emitted from a laser-transmitting firearm actuated by said corresponding participant.

112 (Currently amended). The system of claim 111, A network system for facilitating a competition between remote participants performing a firearm activity comprising:

a plurality of activity processing systems in communication via a network, wherein each activity processing system facilitates and measures performance of said firearm activity by a corresponding participant and includes:

an activity measuring device to measure performance of said firearm activity by said corresponding participant, wherein said measuring device includes a laser-detecting target to detect impact locations thereon of a laser beam emitted from a laser-transmitting firearm actuated by said corresponding participant, and wherein said target includes a detector to measure a distance between said firearm and said target to verify proper conditions for performance of said firearm operation activity;

a processor to evaluate said measured performance and produce information associated with performance results and a skill level of said corresponding participant with respect to said firearm activity; and

an information device to provide said information of each participant to said corresponding participant during performance of said firearm activity, wherein said activity processing systems communicate said information associated with a corresponding participant via said network.

113 (Previously presented). The system of claim 108, wherein said information device of each activity processing system includes at least one of a display and a printing device.

114 (Previously presented). The system of claim 108, wherein said processor of each activity processing system includes a storage module to store said produced information for retrieval

3 and analysis.

115 (Previously presented). The system of claim 108, further including at least one information system each located at a corresponding site and in communication with at least one activity processing system via said network to provide said information to at least one interested party at said corresponding site.

116 (Previously presented). The system of claim 108, wherein said processor of each activity processing system includes a participant module to store for a corresponding participant said information related to each performance of said firearm operation by that participant in order to maintain performance history information for that participant.

117 (Previously presented). The system of claim 108, wherein said processor of each activity processing system includes an identification module to identify a participant and monitor participant utilization of said network system.

118 (Previously presented). The system of claim 108, wherein said information associated with performance results includes a score value achieved by said participant for said competition, and said information device provides said score value of each participant to said corresponding participant, thereby indicating the status of each participant within the competition relative to the remaining participants.

119 (Previously presented). The system of claim 108 further including at least one information system each located at a corresponding site and in communication with at least one activity processing system via said network to provide said information to at least one interested party at said corresponding site, wherein said information associated with performance results includes a score value achieved by said participant for said competition, and said at least one information system receives said score value of each participant, thereby indicating the status of each participant within the competition relative to the remaining participants.

- 120 (Currently amended). A method of enhancing a physical skill of a subject with respect to operation of a firearm, wherein an activity processing system facilitates and measures performance of physical operation of said firearm by said subject and includes an activity measuring device, a processor and an information device, said method comprising the steps of:
- (a) measuring performance of said physical firearm operation by said subject at a first remote location via said activity measuring device by identifying coordinates of impact locations on a target of a laser beam emitted from said firearm in response to said firearm operation;
- (b) evaluating said measured performance based on predetermined criteria, via said processor, and producing information associated with performance results and a level of said physical skill of said subject with respect to said firearm operation;
- (c) providing said information to enabling an instructor of said firearm operation by at a second different remote location access to an information system at that second location and in communication with said activity processing system via a network; and
- (d) providing said information and feedback information to said subject via said

information device, wherein said feedback information <u>includes potential causes of shooting errors</u>

and information is associated with modifying subject performance of said firearm operation to enhance performance results and said subject physical skill level <u>with said subject at a location</u> remote from said instructor.

### 121 (Canceled).

- 1 122 (Previously presented). The method of claim 120, wherein said activity measuring 2 device includes a laser-detecting target, and step (a) further includes:
  - (a.1) detecting impact locations on said laser-detecting target of a laser beam emitted from a laser-transmitting firearm actuated by said subject.
  - 123 (Currently amended). The method of claim 122, wherein said target includes a detector, and step (a.1) further includes: A method of enhancing a physical skill of a subject with respect to performance of a firearm activity, wherein an activity processing system facilitates and measures performance of said firearm activity by said subject and includes an activity measuring device, a processor and an information device, said method comprising the steps of:
  - (a) measuring performance of said firearm activity by said subject via said activity measuring device, wherein said activity measuring device includes a laser-detecting target including a detector, and step (a) further includes:
  - (a.1)—detecting impact locations on said target of a laser beam emitted from a lasertransmitting firearm actuated by said subject; and

- 11 (a.1.1) (a.2) measuring a distance between said firearm and said target, via said
  12 detector, to verify proper conditions for performance of said firearm operation activity;
  - (b) evaluating said measured performance based on predetermined criteria, via said processor, and producing information associated with performance results and a level of said physical skill of said subject with respect to said firearm activity;
- 16 (c) providing said information to an instructor by an information system in

  17 communication with said activity processing system via a network; and
  - (d) providing said information and feedback information to said subject via said information device, wherein said feedback information is associated with modifying subject performance of said firearm activity to enhance performance results and said subject physical skill level.
  - 124 (Previously presented). The method of claim 120, wherein said firearm operation includes application of cognitive knowledge of said subject and said feedback information is further associated with increasing said subject cognitive knowledge to enhance said performance results and said subject physical skill level.
    - 125 (Canceled).

126 (Currently amended). The method of claim 120, wherein a plurality of said activity processing systems are each associated with a corresponding subject and in communication with each other and said information system via said network to facilitate joint training with plural

- 4 subjects, and step (a) further includes:
- (a.1) measuring performance of said physical firearm operation by a corresponding subject via a corresponding activity measuring device by identifying impact locations on a target associated with that subject;
- 8 step (b) further includes:

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- (b.1) evaluating said measured performance of said corresponding subject based on said predetermined criteria, via said processor of a corresponding activity processing system, and producing information associated with performance results and a level of said physical skill of said corresponding subject with respect to said firearm operation;
- step (c) further includes:
- 14 (c.1) providing said information to enabling an said instructor by access to said information 15 system in communication with said activity processing systems via said network; and
- step (d) further includes:
  - (d.1) providing said information and feedback information to said corresponding subject via said information device of a corresponding activity processing system, wherein said feedback information includes potential causes of shooting errors and information is associated with modifying subject performance of said firearm operation to enhance performance results and said corresponding subject physical skill level.
- 1 127 (Previously presented). The method of claim 120, wherein step (b) further includes:
- 2 (b.1) storing said produced information for retrieval and analysis.

- 1 128 (Previously presented). The method of claim 120, wherein a plurality of information 2 systems are in communication with said activity processing system via said network with each
- 3 information system located at a corresponding site, and step (c) further includes:
- 4 (c.1) providing said information to at least one interested party at said corresponding site 5 via a corresponding information processing system.
- 1 129 (Previously presented). The method of claim 120, wherein step (b) further includes:
- 2 (b.1) storing for a subject said information related to each performance of said firearm 3 operation by that subject in order to maintain performance history information for that subject.
- 1 130 (Previously presented). The method of claim 120, wherein step (a) further includes:
- 2 (a.1) identifying a subject, via said processor, and monitoring subject utilization of said 3 activity processing system.
- 1 131 (Previously presented). The method of claim 120, wherein step (b) further includes:
- (b.1) producing said information associated with performance results including a degree of
   compliance with said predetermined criteria.
- 1 132 (Previously presented). The method of claim 120, wherein said predetermined criteria 2 include at least one standard level of performance associated with said firearm operation.
- 1 133 (Currently amended). A method of enhancing a physical skill of a remote subjects

- 2 with respect to operation of a firearm via an <u>a plurality of</u> activity processing systems each at a
- 3 different remote location and in communication with each other via a network to facilitate joint
- 4 <u>training of plural subjects and</u> including an activity measuring device, a processor and an information
- 5 device, said method comprising the steps of:

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- (a) measuring performance of physical operation of said firearm by said a corresponding subject at a corresponding remote location via said a corresponding activity measuring device by identifying coordinates of impact locations on a target associated with said corresponding subject of a laser beam emitted from a corresponding firearm in response to said firearm operation;
- (b) evaluating said measured performance based on predetermined criteria via said processor and producing information associated with performance results and a level of said physical skill of said corresponding subject with respect to said firearm operation and feedback information associated with modifying subject performance of said firearm operation to enhance performance results and said subject physical skill level; and
- (c) providing said information of each subject and said feedback information to said corresponding subject via said information device.
- 1 134 (Canceled).
- 1 135 (Currently amended). The method of claim 133, wherein said activity measuring
  2 device includes a laser-detecting target, and step (a) further includes:
- (a.1) detecting impact locations on said laser-detecting target of a laser beam emitted from
   a laser-transmitting firearm actuated by said <u>corresponding</u> subject.

1	136 (Currently amended). The method of claim 135, wherein said target includes a
2	detector, and step (a.1) further includes: A method of enhancing a physical skill of a subject with
3	respect to performance of a firearm activity via an activity processing system including an activity
4	measuring device, a processor and an information device, said method comprising the steps of:
5	(a) measuring performance of said firearm activity by said subject via said activity
6	measuring device, wherein said activity measuring device includes a laser-detecting target including
7	a detector, and step (a) further includes:
8	(a.1) detecting impact locations on said target of a laser beam emitted from a laser-
9	transmitting firearm actuated by said subject; and
10	(a.1.1) (a.2) measuring a distance between said firearm and said target, via said
11	detector, to verify proper conditions for performance of said firearm operation activity;
12	(b) evaluating said measured performance based on predetermined criteria via said
13	processor and producing information associated with performance results and a level of said physical
14	skill of said subject with respect to said firearm activity and feedback information associated with
15	modifying subject performance of said firearm activity to enhance performance results and said
16	subject physical skill level; and
17	(c) providing said information and said feedback information to said subject via said
18	information device.

137 (Previously presented). The method of claim 133, wherein performance of said firearm operation includes application of cognitive knowledge of said subject and said feedback information increases said subject cognitive knowledge to enhance said performance results and said subject

4 physical skill level. 138 (Canceled). 1 139 (Canceled). 1 The method of claim 133, wherein step (b) further includes: 140 (Previously presented). 1 storing said produced information for retrieval and analysis. 2 (b.1)141 (Previously presented). The method of claim 133, wherein at least one information 1 system is in communication with said activity processing system via a network with each 2 information system located at a corresponding site, and step (c) further includes: 3 providing said information to at least one interested party at said corresponding site 4 via a corresponding information system. 5 The method of claim 133, wherein step (b) further includes: 1 142 (Currently amended). storing for a corresponding subject said information related to each performance of 2 (b.1)said firearm operation by that subject in order to maintain performance history information for that 3 4 subject. The method of claim 133, wherein step (a) further includes: 143 (Previously presented). 1 identifying a subject, via said processor, and monitoring subject utilization of said 2 (a.1)

3 activity processing system.

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- 1 144 (Previously presented). The method of claim 133, wherein step (b) further includes:
- (b.1) producing said information associated with performance results including a degree of
   compliance with said predetermined criteria.
- 1 145 (Previously presented). The method of claim 133, wherein said predetermined criteria 2 include at least one standard level of performance associated with said firearm operation.
  - remote participants each physically operating a firearm, wherein a plurality of activity processing systems each at a different remote location communicate with each other via said network and each include an activity measuring device, a processor and an information device, said method comprising the steps of:
  - (a) measuring performance of physical operation of a firearm by a corresponding participant via a corresponding activity measuring device by identifying coordinates of impact locations on a target associated with that participant of a laser beam emitted from a corresponding firearm in response to said firearm operation;
- 10 (b) evaluating said measured performance and producing information associated with
  11 performance results and a skill level of said corresponding participant with respect to said firearm
  12 operation via a corresponding processor;
- 13 (c) communicating said information associated with a corresponding participant via said

- 14 network; and
- 15 (d) providing said information of each participant to said corresponding participant 16 during performance of said firearm operation via a corresponding information device.
- 1 147 (Previously presented). The method of claim 146, wherein a control system is in 2 communication with said plurality of activity processing systems via said network, and step (c) 3 further includes:
- 4 (c.1) controlling transfer of said corresponding participant information between said 5 activity processing systems via said control system.
- 1 148 (Canceled).

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- 1 149 (Previously presented). The method of claim 146, wherein said measuring device of 2 each activity processing system includes a laser-detecting target, and step (a) further includes:
- (a.1) detecting impact locations on said laser-detecting target of a laser beam emitted from
   a laser-transmitting firearm actuated by said corresponding participant.
  - 150 (Currently amended). The method of claim 149, wherein said target of each activity processing system includes a detector, and step (a.1) further includes: A method of facilitating a competition over a network between remote participants performing a firearm activity, wherein a plurality of activity processing systems communicate via said network and each include an activity measuring device, a processor and an information device, said method comprising the steps of:

6	(a) measuring performance of said firearm activity by a corresponding participant via a
7	corresponding activity measuring device, wherein said measuring device of each activity processing
8	system includes a laser-detecting target including a detector, and step (a) further includes:
9	(a.1) detecting impact locations on said target of a laser beam emitted from a laser-
10	transmitting firearm actuated by said corresponding participant; and
11	(a.1.1) (a.2) measuring a distance between said target and a corresponding firearm
12	to verify proper conditions for performance of said firearm operation activity;
13	(b) evaluating said measured performance and producing information associated with
14	performance results and a skill level of said corresponding participant with respect to said firearm
15	activity via a corresponding processor;
16	(e) communicating said information associated with a corresponding participant via said
17	network; and
18	(d) providing said information of each participant to said corresponding participant
19	during performance of said firearm activity via a corresponding information device.
1	151 (Previously presented). The method of claim 146, wherein step (b) further includes:
2	(b.1) storing said produced information for retrieval and analysis.
1	152 (Previously presented). The method of claim 146, wherein at least one information
2	system is in communication with at least one activity processing system via said network with each
2	information system located at a corresponding site, and step (c) further includes:

(c.1) providing said information to at least one interested party at said corresponding site

- 5 via a corresponding information system.
- 1 153 (Previously presented). The method of claim 146, wherein step (b) further includes:
- 2 (b.1) storing for a corresponding participant said information related to each performance
- 3 of said firearm operation by that participant in order to maintain performance history information for
- 4 that participant.

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- 1 154 (Previously presented). The method of claim 146, wherein step (a) further includes:
- 2 (a.1) identifying a participant, via a processor of a corresponding activity processing
- 3 system, and monitoring participant utilization of that activity processing system.
- 1 155 (Previously presented). The method of claim 146, wherein said information associated 2 with performance results includes a score value achieved by a corresponding participant for said 3 competition, and step (d) further includes:
  - (d.1) providing said score value of each participant to said corresponding participant via said information device of a corresponding activity processing system, thereby indicating the status of each participant within the competition relative to the remaining participants.
- 1 156 (Previously presented). The method of claim 146, wherein at least one information 2 system is in communication with at least one activity processing system via said network with each 3 information system located at a corresponding site, and step (c) further includes:
- 4 (c.1) providing said information to at least one interested party at said corresponding site

- 5 via a corresponding information system, wherein said information associated with a corresponding
- 6 participant includes a score value achieved by that participant for said competition, and said at least
- 7 one information system receives said score value of each participant, thereby indicating the status of
- 8 each participant within the competition relative to the remaining participants.
- 1 157 177 (Canceled).--